



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Milligan et al.

Serial No. 09/919,699

Filed: 07/31/2001

For: FLUID EJECTING DEVICE  
WITH FLUID FEED SLOT

Art Unit: 2853

Examiner: Nguyen, L.

June 25, 2003

10/12 (HFE)  
J. Steptue  
7-8-03  
T.S.  
9-15-03

RESPONSE TO OFFICE ACTION

Commissioner for Patents  
Washington, D.C. 20231

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RECEIVED  
JUN - 7 2003  
TECHNOLOGY CENTER 2800

Sir:

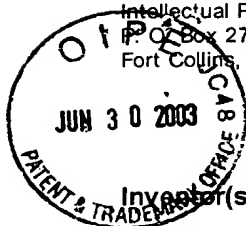
This is in response to an office action mailed April 1, 2003 in the above-referenced application.

Please add new Claims 28-30 as follows:

28. (NEW) A fluid ejecting device comprising:  
a silicon substrate having a <100> crystalline orientation;  
a plurality of fluid drop generators formed on a first surface of said silicon substrate;  
a fluid feed slot extending from a second surface of said silicon substrate to said first surface;  
said fluid slot formed by deep reactive ion etching the second surface of the silicon substrate followed by anisotropic wet etching, and having an opening at the first surface having a width W1 that is less than a width W2 of an opening at the second surface.

Pat  
Cont

29. (New) A fluid ejecting device comprising:  
a silicon substrate having a <100> crystalline orientation;



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): MILLIGAN et al.

Confirmation No.: 5384

Application No.: 09/919,699

Examiner: NGUYEN, LAM S

Filing Date: Jul 31, 2001

Group Art Unit: 2853

Title: FLUID EJECTING DEVICE WITH FLUID FEED SLOT

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

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TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
( ) No additional fee (Address envelope to "Mail Stop Non-Fee Amendment")  
( ) Other: (fee \$ )

| CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY       |  |                        |  |                         |             |                           |
|--|--|------------------------|--|-------------------------|-------------|---------------------------|
| (1)<br>FOR   | (2)<br>CLAIMS REMAINING<br>AFTER AMENDMENT | (3)<br>NUMBER<br>EXTRA | (4)<br>HIGHEST NUMBER<br>PREVIOUSLY PAID FOR | (5)<br>PRESENT<br>EXTRA | (6)<br>RATE | (7)<br>ADDITIONAL<br>FEES |
| TOTAL<br>CLAIMS                                      | 16   | MINUS                  | 20   | = 0                     | X \$18      | \$ 0                      |
| INDEP.<br>CLAIMS                                     | 6  | MINUS                  | 4  | = 2                     | X \$84      | \$ 168                    |
| [ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM |  |                        |  |                         | + \$280     | \$ 0                      |
| EXTENSION<br>FEE                                     | 1ST MONTH<br>\$110.00                      | 2ND MONTH<br>\$410.00  | 3RD MONTH<br>\$930.00                        | 4TH MONTH<br>\$1450.00  |             | \$ 0                      |
| OTHER FEES   |  |                        |  |                         |             | \$                        |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT              |  |                        |  |                         |             | \$ 168                    |

Charge \$ 168 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

MILLIGAN et al.

By

Peter Reitan

Attorney/Agent for Applicant(s)  
Reg. No. 48,603

Date of Deposit: Jun 25, 2003

Typed Name: Colette Angle-Olson

Signature:

Colette Angle-Olson

Date: Jun 25, 2003